ABSTRACT

The aim of the invention is to provide ~~a means~~ a modified collagen peptide for preventing post-operative adhesions that is non-toxic, economic, in addition to being easy to obtain, sterilise, manipulate and implement, having controlled biodegradability and presenting a sufficiently strong initial mechanical resistance in situ (cohesion). This is achieved in the case of ~~said means~~ that modified collagen peptide for preventing post-operative adhesions ~~and~~ according to the invention which is characterized in that it comprises at least one collagen peptide that is modified by grafting thiol functions that are free or substituted, cross-linkable and/or at least partly cross-linked, whereby the thiol functions are provided by mercaptoamine radicals that are exclusively grafted on the aspartic and glutamic acids of the collagen chains by means of amide bonds. The ~~means~~ modified collagen peptide can exist in the form of a homogeneous or composite film, as a gel or in as a liquid which can be applied and cross-linked per se as on in vivo tissue.